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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/728019-Conf. #8027
	Filing Date	December 3, 2003
	First Named Inventor	Gary L. JOHNSON
	Art Unit	1646
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	Attorney Docket Number	CPI-042CN2

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard PTO form SB/08 Certificate of Mailing Copies of Two (2) References
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Signature			
Printed name	Debra J. Milasincic		
Date	December 20, 2005	Reg. No.	46,931

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(Debra J. Milasincic)

Docket No.: CPI-042CN2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Gary L. Johnson

Application No.: 10/728019

Confirmation No.: 8027

Filed: December 3, 2003

Art Unit: 1646

For: METHOD AND PRODUCT FOR
REGULATING APOPTOSIS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

For the Examiner's convenience in reviewing this continuation application, Applicant/s submit/s a consolidated PTO Form SB/08, listing all references cited during the prosecution of the parent application. References A1-A5, B1-B4, C1-C55 and C57-C76 were previously cited and submitted to the Office in U.S. Application Serial No. 09/023,130, filed February 13, 1998 (Atty. Docket No. CPI-042), of which this application is a continuation and to which this application claims priority. In accordance with 37 CFR §1.98(d), these references are not enclosed herewith, but will be provided upon request. In addition, this Information Disclosure

Statement presents references C56 and C77, not previously submitted to the Office, which are enclosed herewith in accordance with 37 CFR §1.97.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 12-0080, under Order No. CPI-042CN2. A duplicate copy of this paper is enclosed.

Dated: December 20, 2005

DJM/JRG/mch

Respectfully submitted,

By 

Debra J. Milasincic

Registration No.: 46,931

LAHIVE & COCKFIELD, LLP

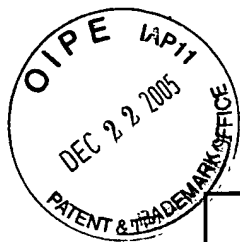
28 State Street

Boston, Massachusetts 02109

(617) 227-7400

(617) 742-4214 (Fax)

Attorney/Agent For Applicant



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				First Named Inventor	Gary L. JOHNSON
				Art Unit	1646
				Examiner Name	Not Yet Assigned
Sheet	1	of	4	Attorney Docket Number	CPI-042CN2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1*	US-5,405,941	04-11-1995	Johnson	
	A2*	US-5,753,446	05-19-1998	Johnson	
	A3*	US-5,854,043	12-29-1998	Johnson	
	A4*	US-5,968,781	10-19-1999	Yoon et al.	
	A5*	US-5,981,265	11-09-1999	Johnson	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1*	WO-94/24159-A1	10-27-1994	National Jewish Center for Immunology		
	B2*	WO-95/28421-A1	10-26-1995	National Jewish Center for Immunology and Respiratory Medicine		
	B3*	WO-97/35014-A1	09-25-1997	Postscript, Inc.		
	B4*	WO-97/40145-A1	10-30-1997	The Regents of the University of Michigan		

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NON PATENT LITERATURE DOCUMENTS					
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	C1*	Avdi, N.J., et al., "Activation of MEKK by Formyl-methionyl-leucyl-phenylalanine in Human Neutrophils. Mapping pathways for mitogen-activated protein kinase activation," <i>J. Biol. Chem.</i> , Vol. 271:33598-33606 (1996)			
	C2*	Baeuerle, P.A., et al., "NF-(kappa)β:ten years after," <i>Cell</i> , Vol. 87:13-20 (1996)			
	C3*	Beidler, D.R., et al., "The baculovirus p 35 protein inhibits Fas- and tumor necrosis factor-induced apoptosis," <i>J. Biol. Chem.</i> , Vol. 270:16526-16528 (1996)			
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	C7*	Bork, Genome Research, 2000, 10:398-400			
	C8*	Bowie, et al., Science, 1990, 247:1306-1310			
	C9*	Burgess et al., J of Cell Bio. 111:2129-2138, 1990			

Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/728019-Conf. #8027
				Filing Date	December 3, 2003
				First Named Inventor	Gary L. JOHNSON
				Art Unit	1646
				Examiner Name	Not Yet Assigned
Sheet	2	of	4	Attorney Docket Number	CPI-042CN2

C10*	Cardone, M.H., et al., "The regulation of anoikis: MEKK-1 activation requires cleavage by caspases," <i>Cell</i> , Vol. 90:315-323 (1997)	
C11*	Chaleff, D.T., et al., "Molecular cloning and characterization of the <i>STE7</i> and <i>STE11</i> genes of <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> , Vol. 5(8):1878-1886 (1985)	
C12*	Darmon, A.J., et al., "An Interleukin-1 Converting Enzyme-like Protease is a Key Component of Fas-mediated Apoptosis," <i>J. Biol. Chem.</i> , Vol. 271:21699-21702 (1996)	
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C14*	Fanger, G.R., et al., "MEK kinases are regulated by EGF and selectively interact with Rac/Cdc42," <i>The EMBO Journal</i> , Vol. 16:4961-4972 (1997)	
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C17*	Fraser, A., et al., "A license to kill," <i>Cell</i> , Vol. 85:781-784 (1996)	
C18*	Gajewski, T.F., et al., "Apoptosis meets signal transduction: elimination of a BAD influence," <i>Cell</i> , Vol. 87:589-592 (1996)	
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C20*	GenBank Accession Number AAA85038: "MEKK1. (Mus musculus)" (Jan. 1, 1996)	
C21*	GenBank Accession Number AAA97500: "MEK Kinase (Mus Musculus)," (April 18, 1996)	
C22*	GenBank Accession Number AAC52596: "MAP kinase kinase kinase 1. (Rattus norvegicus)," (June 5, 1996)	
C23*	GenBank Accession Number AAC97073: "MEK kinase 1. (Homo sapiens)," (Dec. 17, 1998)	
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C25*	GenBank Accession Number AB014614, "Mus musculus mRNA for MEKK1 N-terminal," (Oct. 29, 1999)	
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C34*	Hirano, M., et al., "MEK kinase is involved in tumor necrosis factor α -induced NF- κ B activation and degradation by I κ B- α ," <i>J. Biol. Chem.</i> , Vol. 271:13234-13238 (1996)	

Examiner Signature		Date Considered	
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Sheet	3	of	4	Attorney Docket Number	CPI-042CN2

C35*	Howard, A.D., et al., "IL-1-converting enzyme requires aspartic acid residues for processing of the IL-1 β precursor at two distinct sites and does not cleave 31-kDa IL-1 α ," <i>J. Immunol.</i> , Vol. 147:2964-2969 (1991)
C36*	Hu, M.C., et al., "Human HPK1, a novel human hematopoietic progenitor kinase that activated the JNK/SAPK kinase cascade," <i>Genes Dev.</i> , Vol. 10:2251-2264 (1996)
C37*	Johnson, N.L., et al., "Signal transduction pathways regulated by mitogen-activated/extracellular response kinase kinase kinase induce cell death," <i>Journal of Biological Chemistry</i> , Vol. 271(6):3229-3237 (1996)
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C39*	Karin, M., et al., "JNK or IKK, AP-1 or NF κ B, which are targets for MEK kinase 1 action?" <i>Proc. Natl. Sci., USA</i> , Vol. 95:9067-9069 (1998)
C40*	Khokhlatchev, A., et al., "Reconstitution of mitogen-activated protein kinase phosphorylation cascades in bacteria. Efficient synthesis of active protein kinases," <i>Journal of Biological Chemistry</i> , Vol. 272(17):11057-11062 (1997)
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C42*	Lange-Carter, CA, et al., Science 260: 315-319 and MPSRCH search report, 2003, us-09-858-754-3-copy-875-1493.rsp, pages 1-2
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C44*	Lange-Carter, C.A., et al., "Ras-dependent growth factor regulation of MEK kinase in PC12 cells," <i>Science</i> , Vol. 265:1458-1461 (1994)
C45*	Lassignal Johnson, N., et al., "Signal transduction pathways regulated by mitogen-activated/extracellular response kinase kinase kinase induce cell death," <i>J. Biol. Chem.</i> , Vol. 271:3229-3237 (1996)
C46*	Lazar, Eliane, et al., "Transforming Growth Factor α : Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities," <i>Molecular and Cellular Biology</i> , Vol. 8(3):1247-1252 (1988)
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C49*	Los, M., et al., "Requirement of an ICE/CED-3 protease for Fas/APO-1-mediated apoptosis," <i>Nature</i> , Vol. 375:81-83 (1995)
C50*	Minden, Audrey, et al., "Differential Activation of ERK and JNK Mitogen-Activated protein Kinases by Raf-1 and MEKK," <i>Science</i> , Vol. 266:1719-1723 (1994)
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C52*	MPSRCH search report, 2003, us-09-858-754-3-copy-875-1493.rag, pages 3-4
C53*	Nicholson, D.W., et al., "Identification and inhibition of the ICE/CED-3 protease necessary for mammalian apoptosis," <i>Nature</i> , Vol. 376:37-43 (1995)
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C55*	Russell, M., et al., "Direct interaction between Ras and the kinase domain of mitogen-activated protein kinase kinase kinase (MEKK1)," <i>Journal of Biological Chemistry</i> , Vol. 270:11757-11760 (1995)
C56	Schaefer, Brian C., et al., "Live Cell Fluorescence Imaging of T Cell MEKK2: Redistribution and Activation in Response to Antigen Stimulation of the T Cell Receptor," <i>Immunity</i> , Vol. 11:411-421 (1999)
C57*	Schlesinger, T.K., et al., "The Tao of MEKK," <i>Front. Biosci.</i> , Vol. 3:D1181-1186 (1998)
C58*	Seger, R., et al., "The MAPK signaling cascade," <i>FASEB J.</i> , Vol. 9:726-735 (1995)

Examiner Signature		Date Considered	
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Sheet	4	of	4	Attorney Docket Number	CPI-042CN2

C59*	Su, B., et al., "JNK is involved in signal integration during costimulation of T lymphocytes," <i>Cell</i> , Vol. 77:727-736 (1994)	
C60*	Sumimoto, S.-I., et al., "Involvement of LFA-1/intracellular adhesion molecule-1-dependent cell adhesion in CD40-mediated inhibition of human B lymphoma cell death induced by surface IgM crosslinking," <i>J. Immunol.</i> , Vol. 153:2488-2496 (1994)	
C61*	SWISS-PROT Accession No. P53349; MAPK/ERK KINASE 1 (MEK KINASE 1) (MEKK 1)	
C62*	SWISS-PROT Accession No. Q62925; MAPK/ERK KINASE 1 (MEK KINASE 1) (MEKK 1)	
C63*	Tsubata, T., et al., "B-cell apoptosis induced by antigen receptor crosslinking is blocked by a T-cell signal through CD40," <i>Nature</i> , Vol. 364:645-648 (1993)	
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C65*	Xia, Y., et al., "JNKK1 organizes a MAP kinase module through specific and sequential interactions with upstream and downstream components mediated by its amino-terminal extension," <i>Genes Dev.</i> , Vol. 12(21):3369-3381 (1998)	
C66*	Xu, S., et al., "MEKK1 binds directly to the c-Jun N-terminal kinases/stress-activated protein kinases," <i>Journal of Biological Chemistry</i> , Vol. 272(15):32056-32060 (1997)	
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C71*	Wang, Y., et al., "byr2, a <i>Schizosaccharomyces pombe</i> gene encoding a protein kinase capable of partial suppression of the <i>ras1</i> mutant phenotype," <i>Mol. Cell. Biol.</i> , Vol. 11(7):3554-3563 (1991)	
C72*	Widmann, C., et al., "Caspase-dependent cleavage of signaling proteins during apoptosis. A turn-off mechanism for anti-apoptotic signals," <i>J. Biol. Chem.</i> , Vol. 273:7141-7147 (1998)	
C73*	Widmann, C., et al., "MEK kinase 1, a substrate for DEVD-directed caspases, is involved in genotoxin-induced apoptosis," <i>Mol. Cell. Biol.</i> , Vol. 18:2416-2429 (1998)	
C74*	Widmann, C., et al., "Potentiation of apoptosis by low dose stress stimuli in cells expressing activated MEK kinase 1," <i>Oncogene</i> , Vol. 15:2439-2447 (1997)	
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C76*	Xu, S., et al., "Cloning of rat MEK kinase 1 cDNA reveals an endogenous membrane-associated 195-kDa protein with a large regulatory domain," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 93:5291-5295 (1996)	
C77	International Search Report Application No. PCT/US99/02974, dated July 22, 1999	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Application No. (if known): 10/728019

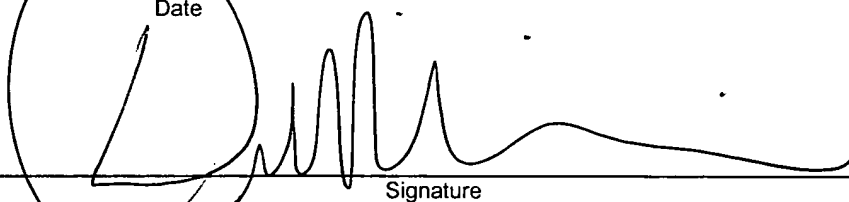
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